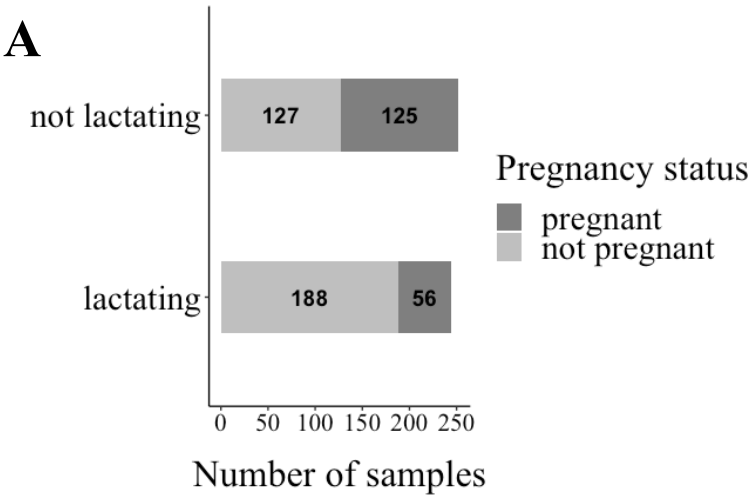
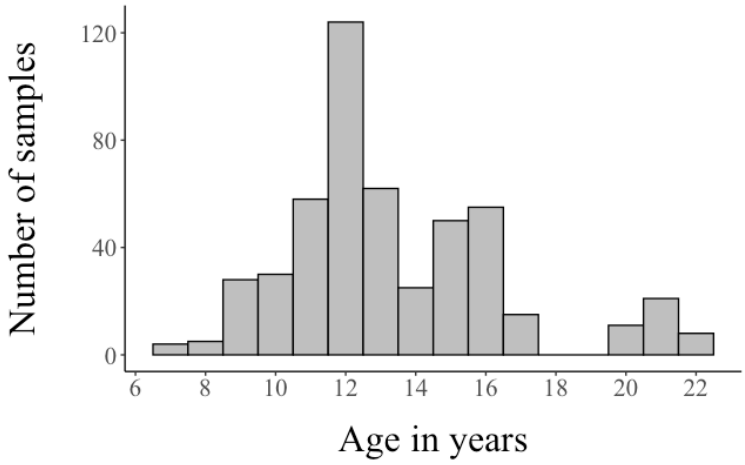
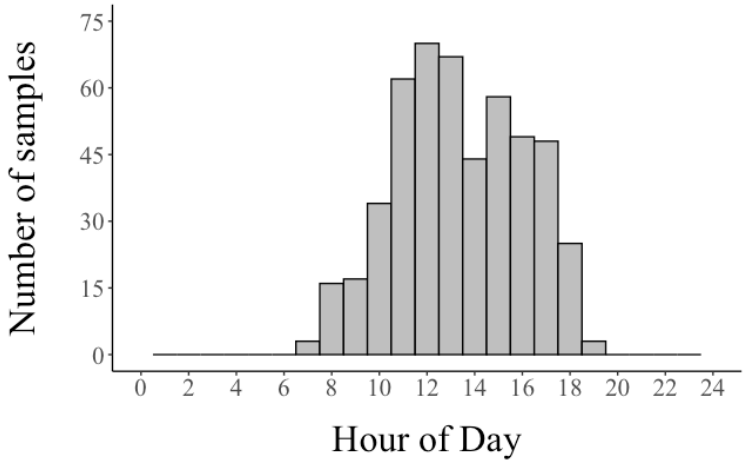
A


not lactating
lactating
127
125
188
56
Pregnancy status
pregnant
not pregnant
0 50 100 150 200 250
Number of samples

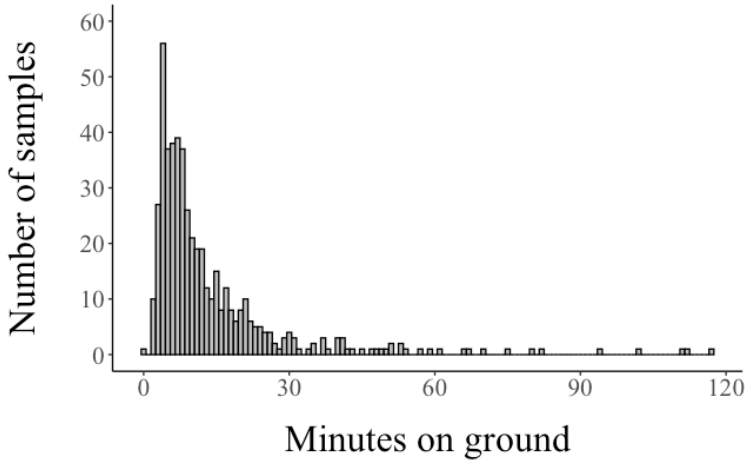
B


Number of samples
120
80
40
0
6 8 10 12 14 16 18 20 22
Age in years

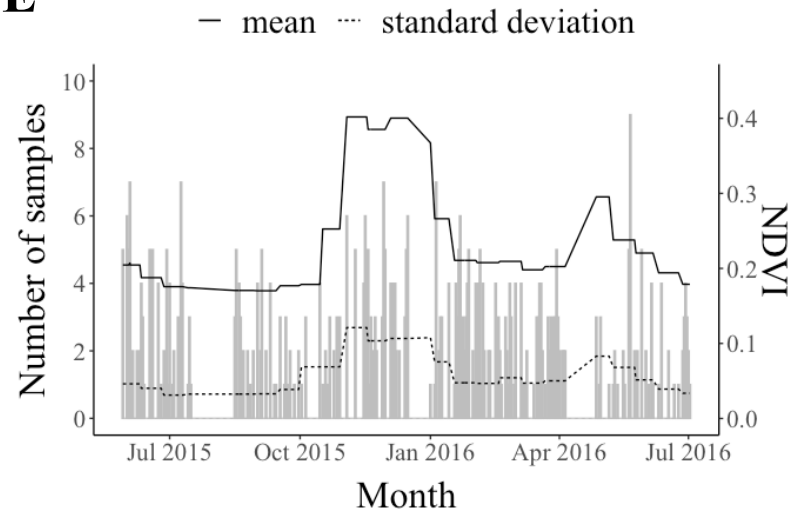
C


Number of samples
75
60
45
30
15
0
0 2 4 6 8 10 12 14 16 18 20 22 24
Hour of Day

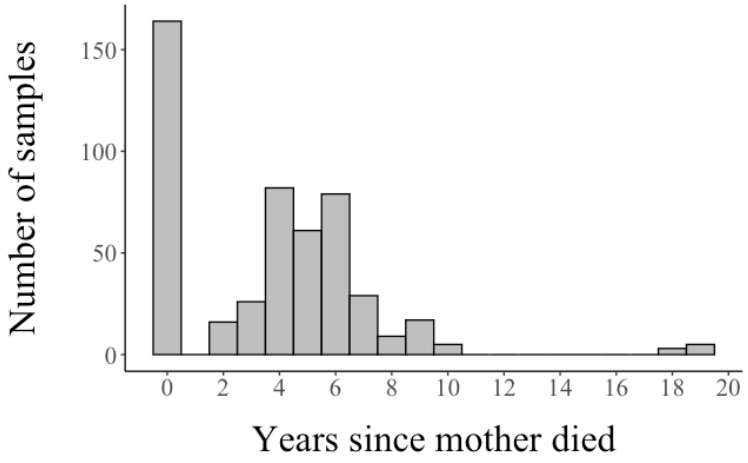
D

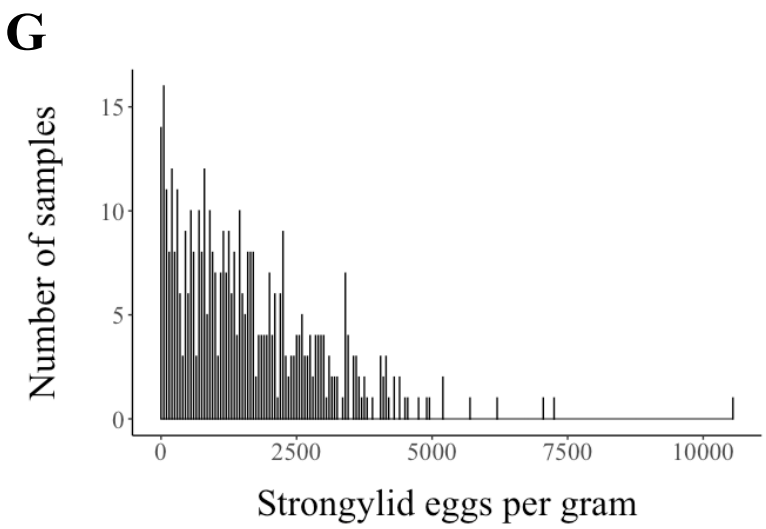

Number of samples
60
50
40
30
20
10
0
0
30
60
90
120
Minutes on ground

E


mean
standard deviation
Number of samples
10
8
6
4
2
0
NDVI
0.4
0.3
0.2
0.1
0.0
Jul 2015
Oct 2015
Jan 2016
Apr 2016
Jul 2016
Month

F


Number of samples
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
Years since mother died



Supplementary Figure 1: Time-variant covariates. A) Bar chart showing number of samples collected from females who were lactating versus not, colored according to whether they were collected from pregnant versus not pregnant females. B-G) Histogram of samples according to age of the female they were collected from, time of day they were collected, amount of time spent on the ground prior to collection, month of collection (including lines showing corresponding mean and standard deviation of NDVI according to the secondary y-axis), years since mother died (non-orphan samples were assigned a value of zero), and estimated number of strongylid eggs per gram of fecal matter from the same sampling event,.